

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.**

Application Serial Number: 10/776,635  
Source: 1FW16  
Date Processed by STIC: 2/3/06

***ENTERED***



IFW16

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/776,635

DATE: 02/03/2006

TIME: 11:51:48

Input Set : A:\1954-418.ST25.txt

Output Set: N:\CRF4\02032006\J776635.raw

3 <110> APPLICANT: Rossi, John J.  
 4 Castanotto, Daniela  
 5 Pfeiffer, Gerd  
 6 Tommassi, Stella  
 8 <120> TITLE OF INVENTION: Methods for Directing DNA Methylation in Mammalian Cells  
 Using  
 9 Homologous, Short Double Stranded RNAs  
 11 <130> FILE REFERENCE: 1954-418  
 13 <140> CURRENT APPLICATION NUMBER: US 10/776,635  
 14 <141> CURRENT FILING DATE: 2004-02-12  
 16 <150> PRIOR APPLICATION NUMBER: US 60/447,013  
 17 <151> PRIOR FILING DATE: 2003-02-13  
 19 <160> NUMBER OF SEQ ID NOS: 15  
 21 <170> SOFTWARE: PatentIn version 3.3  
 23 <210> SEQ ID NO: 1  
 24 <211> LENGTH: 176  
 25 <212> TYPE: DNA  
 26 <213> ORGANISM: Homo sapiens  
 28 <400> SEQUENCE: 1  
 29 ggggctctgc gagagcgcgc ccagccccgc cttcggggccc cacagtccct gcaccagg 60  
 31 ttccattgcg cggcttcctt cagcttcctt cccggcccca gtctggatcc tgggggaggc 120  
 33 gctgaagtgc gggccccccc tgtggccccc cccggcccg cgttgcttagc gcccaa 176  
 36 <210> SEQ ID NO: 2  
 37 <211> LENGTH: 180  
 38 <212> TYPE: DNA  
 39 <213> ORGANISM: Homo sapiens  
 41 <400> SEQUENCE: 2  
 42 ggggctctgc gagagcgcgc ccagccccgc cttcggggccc cacagtccct gcaccagg 60  
 44 ttccattgcg cggcttcctt cagcttcctt cccggcccca gtctggatcc tgggggaggc 120  
 46 gctgaagtgc gggccccccc tgtggccccc cccggcccg cgttgcttagc gcccaaagcc 180  
 49 <210> SEQ ID NO: 3  
 50 <211> LENGTH: 300  
 51 <212> TYPE: DNA  
 52 <213> ORGANISM: Homo sapiens  
 54 <400> SEQUENCE: 3  
 55 agcgaagcac gggcccaacc gggccatgtc gggggaggct gagctcatgg agctgcggga 60  
 57 gctggcaccc gctggcgccg ctgggaaggc ccgcacccgg ctggagcgct ccaacgcgc 120  
 59 ggcgcacccg cggggcaccc cgtcaacccc cacacggcag ctggccctgg gccgtggcca 180  
 61 ccgttccag cccgcggggc ccgccacgcac cacgtggtgc gacctctgtg gcgacttcat 240  
 63 ctggggcgcc gtcgcacaag gcctgcagtgc cgccgtgag tagtggccccc gcgccctac 300  
 66 <210> SEQ ID NO: 4  
 67 <211> LENGTH: 41  
 68 <212> TYPE: DNA  
 69 <213> ORGANISM: Artificial

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71 <220> FEATURE:  
 72 <223> OTHER INFORMATION: PCR primer  
 74 <400> SEQUENCE: 4  
 75 aatcgaacgc gtggatccaa ggtcgggcag gaagaggccc t 41  
 78 <210> SEQ ID NO: 5  
 79 <211> LENGTH: 20  
 80 <212> TYPE: DNA  
 81 <213> ORGANISM: Homo sapiens  
 83 <400> SEQUENCE: 5  
 84 gtggaaagga cgaaaacaccg 20  
 87 <210> SEQ ID NO: 6  
 88 <211> LENGTH: 51  
 89 <212> TYPE: DNA  
 90 <213> ORGANISM: Artificial  
 92 <220> FEATURE:  
 93 <223> OTHER INFORMATION: PCR primer  
 95 <400> SEQUENCE: 6  
 96 ctacacaaag gcggggccccg acttcagcgc ggtgtttcgt cctttccaca a 51  
 99 <210> SEQ ID NO: 7  
 100 <211> LENGTH: 47  
 101 <212> TYPE: DNA  
 102 <213> ORGANISM: Artificial  
 104 <220> FEATURE:  
 105 <223> OTHER INFORMATION: PCR primer  
 107 <400> SEQUENCE: 7  
 108 aactcgaatt caaaaaagcg ctgaagtccgg ggcccgccct acacaaaa 47  
 111 <210> SEQ ID NO: 8  
 112 <211> LENGTH: 51  
 113 <212> TYPE: DNA  
 114 <213> ORGANISM: Artificial  
 116 <220> FEATURE:  
 117 <223> OTHER INFORMATION: PCR primer  
 119 <400> SEQUENCE: 8  
 120 ctacacaaac gacatggccc gggtgggccc ggtgtttcgt cctttccaca a 51  
 123 <210> SEQ ID NO: 9  
 124 <211> LENGTH: 47  
 125 <212> TYPE: DNA  
 126 <213> ORGANISM: Artificial  
 128 <220> FEATURE:  
 129 <223> OTHER INFORMATION: PCR primer  
 131 <400> SEQUENCE: 9  
 132 aactcgaatt caaaaaaggg cccaaacgggg ccatgtcgct acacaaaa 47  
 135 <210> SEQ ID NO: 10  
 136 <211> LENGTH: 18  
 137 <212> TYPE: DNA  
 138 <213> ORGANISM: Artificial  
 140 <220> FEATURE:  
 141 <223> OTHER INFORMATION: MSP primer  
 143 <400> SEQUENCE: 10

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Input Set : A:\1954-418.ST25.txt  
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144 gggtttgcg agagcgcg	18
147 <210> SEQ ID NO: 11	
148 <211> LENGTH: 18	
149 <212> TYPE: DNA	
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152 <220> FEATURE:	
153 <223> OTHER INFORMATION: MSP primer	
155 <400> SEQUENCE: 11	
156 gctaacaaac gcgaaccg	18
159 <210> SEQ ID NO: 12	
160 <211> LENGTH: 24	
161 <212> TYPE: DNA	
162 <213> ORGANISM: Artificial	
164 <220> FEATURE:	
165 <223> OTHER INFORMATION: MSP primer	
167 <400> SEQUENCE: 12	
168 ggggtttgt gagagtgtgt ttag	24
171 <210> SEQ ID NO: 13	
172 <211> LENGTH: 26	
173 <212> TYPE: DNA	
174 <213> ORGANISM: Artificial	
176 <220> FEATURE:	
177 <223> OTHER INFORMATION: MSP primer	
179 <400> SEQUENCE: 13	
180 taaacactaa caaacacaaa ccaaac	26
183 <210> SEQ ID NO: 14	
184 <211> LENGTH: 51	
185 <212> TYPE: DNA	
186 <213> ORGANISM: Artificial	
188 <220> FEATURE:	
189 <223> OTHER INFORMATION: PCR primer	
191 <400> SEQUENCE: 14	
192 ctacacaaac gatatggcg cttgggcc ggtgttcgt cttccaca a	51
195 <210> SEQ ID NO: 15	
196 <211> LENGTH: 47	
197 <212> TYPE: DNA	
198 <213> ORGANISM: Artificial	
200 <220> FEATURE:	
201 <223> OTHER INFORMATION: PCR primer	
203 <400> SEQUENCE: 15	
204 aactcgaatt caaaaaaggccc ccataatcgct acacaaa	47

RAW SEQUENCE LISTING ERROR SUMMARY                    DATE: 02/03/2006  
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**Invalid <213> Response:**

Use of "Artificial" only as "<213> Organism" response is incomplete,  
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:4,6,7,8,9,10,11,12,13,14,15

**VERIFICATION SUMMARY**

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